Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/25/2020 09:10 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123705	-2	2.65	123788	2.66
Blue	F	SSC	125000	124450	-1	1.91	125200	1.93
Blue	E	FITC	15892	15502	-3	3.03	338	21.71
Blue	D	PE	29999	29252	-3	2.27	637	15.81
Blue	B	PerCP-Cy5-5	43732	43220	-2	4.01	1161	21.70
Blue	A	PE-Cy7	30845	30638	-1	6.65	579	44.22
Red	C	APC	46112	44672	-4	2.51	1581	12.41
Red	A	APC-Cy7	30458	29362	-4	2.45	778	12.15
Violet	B	V450	7918	7609	-4	4.55	427	13.89
Violet	A	V500	32171	30993	-4	4.34	722	10.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16851	15.17	656	35	N/A	N/A	Pass
Blue	F	SSC	56747	1.50	587	28	N/A	N/A	Pass
Blue	E	FITC	60	68.96	555	12	0.0167	136	Pass
Blue	D	PE	133	53.63	561	13	0.1414	278	Pass
Blue	B	PerCP-Cy5-5	211	53.73	670	14	0.0080	64	Pass
Blue	A	PE-Cy7	104	114.20	716	18	0.0095	24	Pass
Red	C	APC	375	25.64	588	4	0.0229	112	Pass
Red	A	APC-Cy7	171	28.63	560	4	0.0053	687	Pass
Violet	B	V450	65	63.87	462	4	0.0460	2153	Pass
Violet	A	V500	108	39.81	478	4	0.0246	1854	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.80	-32.34	1.00
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	15.13	13.60 - 20.40	N/A	N/A	29.65	30.14	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.73

Threshold

Threshold (FSC): 9514

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments